

SCHULAMID® 66 GF 35 H

Polyamide 66

A. Schulman Europe

Message:

35% glass fiber reinforced, heat stabilized Polyamide 66

General Information				
UL YellowCard		E344659-100854529	E86615-252186	E188844-102210971
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Features		Good Heat Aging Resistance		
		High Stiffness		
		Medium Viscosity		
		Oil Resistant		
UL File Number		E86615		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183/A
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11000	7200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	190	125	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	--	kJ/m ²	
23°C	12	20	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	50	--	kJ/m ²	
23°C	80	95	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	> 250	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	246	--	°C	ISO 75-2/Af
Vicat Softening Temperature	> 250	--	°C	ISO 306/A50, ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 100	--	mm/min	ISO 3795

Flammability Classification			IEC 60695-11-10, -20
0.750 mm	HB	--	
1.50 mm	HB	--	
3.00 mm	HB	--	
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	--	600	°C
3.00 mm	--	600	°C

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